

**Abstract**

The invention relates to a transmission cable realised by multilayer technique, where the signal cable (20) is set at a desired distance from the wall of the cavity constructed for said transmission cable by means of a separate support element (25). The ground cable (21) included in the structure is placed on the cable cavity wall opposite to the signal cable. By using the transmission cable according to the invention, there is achieved a low attenuation per unit of length at RF frequencies.

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